AMERICAN UNIVERSITY OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

FRANS BRUIN: DIRECTOR

GIORGIO CONTINO, ASSOCIATE DIRECTOR

HALIM HOURANI, OBSERVER

LIBRARY

BEIRUT, LEBANON

Latitude: 33° 54' 22" N.

Longitude: $2^h\ 21^m\ 52^s.7$ E.

August 1959

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AUGUST 1959

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	55.3	54.7	54.7	54.9	32.1	24.6	28.2	31.5	26.5	28.7
2	54.0	53.8	53.6	53.8	32.3	24.6	28.5	31.8	26.5	28.9
3	53.5	53.5	53.5	53.5	31.8	24.0	28.2	31.0	26.5	28.6
4	54.0	54.3	54.7	54.3	31.5	22.9	28.0	31.0	25.5	28.2
5	54.9	55.1	55.3	55.1	32.0	23.4	27.5	31.0	25.7	28.1
6	55.8	56.1	56.1	56.0	32.3	23.9	27.5	32.0	26.0	28.5
7	55.8	55.7	55.3	55.6	31.8	23.9	29.0	31.0	26.2	28.7
8	54.7	55.0	55.2	55.0	32.5	23.5	29.0	31.5	26.0	28.8
9	55.9	55.5	55.7	55.7	32.0	23.1	28.0	31.0	26.6	28.5
10	55.5	55.3	55.2	55.3	32.7	24.0	27.5	31.5	26.5	28.5
11	54.5	54.3	54.3	54.4	32.4	24.0	27.2	31.5	26.5	28 4
12	54.0	54.3	54.9	54.4	32.5	24.6	27.5	32.0	26.5	28.7
13	55.6	55.7	55.8	55.7	32.3	24.1	27.4	31.5	26.5	28.5
14	55.5	55.2	55.4	55.4	32.5	25.0	28.0	31.5	26.5	28.7
15	54.9	54.5	54.6	54.7	32.6	24.0	28.8	31.5	26.5	28.9
16	54.5	53.9	53.9	54.1	32.4	24.4	28.5	31.5	26.3	28.8
17	54.1	53.9	54.4	54.1	32.3	24.8	28.5	31.5	26.3	28.8
18	54.8	54.6	55.3	54.9	32.0	23.4	27.2	31.3	26.0	28.2
19	55.3	55.4	56.0	55.6	31.5	23.4	28.2	30.5	25.5	28.1
20	56.3	56.0	55.9	56.1	31.7	24.0	28.5	29.5	26.0	28.0
21	55.8	55.4	55.4	55.5	31.1	24.0	27.5	30.6	26.0	28.0
22	55.5	55.3	55.8	55.5	31.1	24.7	28.5	29.0	25.3	27.6
23	56.6	56.5	56.6	56.6	29.3	23.5	27.5	27.8	25.5	26.9
24	56.5	56.6	56.3	56.5	30.0	23.8	28.0	28.0	26.0	27.3
25	55.9	55.0	54.6	55.2	30.3	23.9	28.0	30.0	26.0	28.0
26	54.4	54.0	54.2	54.2	30.6	23.9	27.2	30.0	26.5	27.9
27	54.2	54.1	55.0	54.4	31.2	23.6	27.8	29.0	25.7	27.5
28	56.3	56.1	56.8	56.4	32.1	22.9	27.7	31.5	26.5	28.6
29	57.4	56.7	57.1	57.1	31.5	23.0	28.3	29.5	26.5	28.1
30	57.1	56.1	56.4	56.5	30.0	22.8	27.5	28.5	25.0	27.0
31	55.4	55.0	55.1	55.2	31.5	23.1	26.8	30.8	25.4	27.7
	55.29	55.08	55.26	55.22	31.67	23.83	27.93	30.65	26.10	28.23

Barometer, range for month 757.4 mm. — 753.5 mm.
„ 71-yr. average for month 756.00mm.
Thermometer, range for month 32.7°C — 22.8°C
„ 82-yr. average for month 27.8°C
Rain total for month 0.00 mm.
„ 82-yr average for month 0.4 mm.
„ Total, Sept. 1st. to end of month 649.11 mm.
„ 82-yr average. Sept. 1st. to end of month 892.96 mm.

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Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	28.6	27.9	27.1	27.9	74	60	78	71	11.7	87	
2	28.0	30.2	30.2	29.5	72	64	87	74	12.0	159	
3	26.5	29.7	27.8	28.0	69	66	80	72	11.2	143	
4	25.3	24.3	22.4	24.0	67	54	68	63	12.3	143	
5	21.9	23.3	25.8	23.7	59	52	72	61	12.3	113	
6	24.4	28.9	27.2	26.8	66	61	80	69	12.0	105	
7	27.3	28.0	25.0	26.8	69	62	72	68	11.9	153	
8	26.3	25.0	25.7	25.7	66	53	76	65	12.1	214	
9	24.0	28.0	27.8	26.6	64	62	80	69	11.8	126	
10	25.2	29.6	25.5	26.8	68	64	73	68	12.3	79	
11	27.8	29.3	26.1	27.7	77	63	75	72	12.4	106	
12	26.2	28.3	27.8	27.4	71	59	80	70	12.1	143	
13	25.5	29.6	27.8	27.6	73	64	80	72	12.0	195	
14	27.9	30.7	29.2	29.3	74	66	84	75	12.3	151	
15	30.3	30.7	27.8	29.6	76	66	80	74	11.0	241	
16	28.0	25.2	24.7	26.0	72	54	72	66	12.1	119	
17	24.9	26.2	23.7	24.9	64	56	69	63	11.9	129	
18	24.7	25.8	23.2	24.6	68	56	69	64	11.8	148	
19	22.9	24.9	22.9	23.6	60	56	70	62	11.3	95	
20	23.4	24.1	24.2	23.9	60	58	72	63	11.7	101	
21	24.6	27.2	25.7	25.8	67	62	76	68	10.5	108	
22	24.9	23.2	23.8	24.0	64	58	74	65	10.0	85	
23	24.6	25.7	27.4	25.9	67	69	84	73	9.3	103	
24	25.0	25.5	28.8	26.4	66	68	86	73	11.9	82	
25	25.5	25.5	28.3	26.4	68	60	84	71	12.0	103	
26	25.1	26.1	27.8	26.3	70	61	80	70	11.8	74	
27	25.7	25.2	27.8	26.2	69	63	84	72	11.6	47	
28	25.6	30.1	28.1	27.9	69	65	80	71	11.6	82	
29	23.9	23.6	26.6	24.7	62	57	76	65	10.4	64	
30	25.2	24.9	26.5	25.5	68	64	84	72	11.7	55	
31	22.6	22.1	22.7	22.5	64	50	70	63	11.1	89	
	25.54	26.73	26.30	26.19	67.8	60.4	77.2	68.5	11.62	117.48	

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 year averages are for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	3cu-st	0	1.0	4sw	2sw	1sw	light	
2	0	1cu	0	0.3	3sw	2sw	1sw	,,	
3	1cu	3cu	1cu	1.7	2sw	2sw	1sw	,,	
4	2cu	0	0	0.7	1sw	2sw	1sw	,,	
5	3cu-st	0	2cu	1.7	1sw	2sw	1sw	,,	
6	0	1cu	1cu	0.7	1sw	2sw	1sw	light	
7	0	1cu	2cu	1.0	1sw	1sw	2sw	,,	
8	0	3cu	0	1.0	1sw	2sw	1sw	,,	
9	0	1cu	5cu-st	2.0	1sw	2sw	0	,,	
10	0	1cu	0	0.3	1sw	1sw	2sw	,,	
11	1cu	0	0	0.3	1sw	1sw	1sw	light	
12	0	2cu	0	0.7	1sw	2sw	1sw	,,	
13	0	1cu	2cu	1.0	1sw	1sw	1sw	,,	
14	0	0	0	0.0	2sw	1sw	3sw	,,	
15	0	1cu	0	0.3	3sw	1sw	1sw	,,	
16	1cu	1cu	3cu	1.7	1sw	2sw	1sw	light	
17	0	4cu	4cu	2.7	1sw	1sw	1sw	,,	
18	5cu	3cu	4cu	4.0	1sw	1sw	1sw	,,	
19	5cu-st	3cu-st	4cu-st	4.0	1sw	1sw	1sw	,,	
20	0	2cu	6cu-st	2.7	1sw	2sw	1sw	,,	
21	4cu-st	3cu-st	7cu-st	4.7	1sw	2sw	1sw	light	
22	3cu	4cu	0	2.3	2w	1sw	0	,,	
23	3cu-st	3cu	0	2.0	1ne	2ne	1ne	,,	
24	1cu	0	0	0.3	1ne	1ne	1ne	,,	
25	0	0	0	0.0	1ne	2ne	1ne	,,	
26	0	0	0	0.0	1n	2n	1n	light	
27	0	0	0	0.0	1sw	1nw	1nw	,,	
28	0	0	0	0.0	1sw	2sw	1sw	,,	
29	0	2cu-st	3cu-st	1.7	1sw	1w	1sw	,,	
30	0	0	0	0.0	1w	1nw	1w	,,	
31	0	4st	0	1.3	3sw	3sw	1sw	,,	
	mean			1.29					

Abbreviations: G = gale; H = haze; M = mist; T = thunderstorm; D = dew
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	1	3	0	0	0	25	2	0	0	31
14:30	1	3	0	0	0	24	1	2	0	31
20:30	1	3	0	0	0	23	1	1	2	31
Total	3	9	0	0	0	72	4	3	2	93

Number of days with rain 0, fog 0, thunderstorms 0, gale. 0
71 yr. av. number of days with rain during month 0.18
Time of reading minus 2 hours equals G.C.T